Original/Duplicate/Triplicate

SBR No 99/23-24
DATED 28.12.2023

# CONTRACT CERTIFICATE

(For Other Works)

No. 13th ~~RA bill~~ Date……2023

Division: **Electrical (Yelahanka)** Sub-Division: **Electricals**

Bill Received No. Dated Divisional Cash Book Voucher No…….. Dated……

Sub Divisional **Job Code :-006-22-000007**

Schedule Docket No. Head of Account **: P 0300** M&R to Street lights - Replacement of Burnt bulbs etc

D.R.No**. : Period:- 01-12-2023 to 31-12-2023(for 1 months)**

**Name of Work** : *Annual Maintenance and repairs of street lights in ward no 06 Package Y-06 of Yelahanka Zone"'*

Name of Contractor and Full Address:**Sri Pradeepkumar S.N. Pro of M/s Ganga Enterprises**

Reference to Agreement No:- EE/Ele/YZ/AG/000006/2022-23 Date:01/04/2022

Reference to Work order No:- EE/Ele/YZ/WO/000006/2022-23 Date:01/04/2022

**Supplymentary Work order No:-** EE/Ele/YZ/WO/000006/2023-24 Dated 01-04-2023

Certified that the measurements were taken by me on 06/01/24 and recorded of Pages 260614 to 260617 of measurement Book No. 2607/23-24 and that the work is satisfactorily executed.

**Contractor** **Officer-in-charge of work**

Certified that the measurement were taken by me on 06/01/24 ……and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Assistant Executive Engineer (Ele)
BBMP, Bangalore

**Sub-Division Officer**

II Memorandum of Payment

| | | |
|---|---|---|
| 1) Total value of work done or supplies made as per account within | UPDT | 11912478.70 |
| 2) Deduct amount to be held in reserve being ……percent Rs…… | P.Bill | 10681756.53 |
| 3) " Balance | 13thRABill | 1230722:00 |
| 4) Deduct Payment: | | |
| a) Amount of previous payment as in the Office Cash Book Voucher No……Dated……S.D. No……Amount adjusted towards cash advance recovery of | IT(1%) | 12307:00 |
| | LWF(1%) | 12307:00 |
| | CUSTM(1%) | 12307:00 |
| | SUSTM(1%) | 12307:00 |
| b) Payments Now made cost store or other material supplied. | CBFO(1%) | 1231:00 |
| recovery of amount creditable to this/other work | Fine | 4000:00 |
| Amount paid on this bill Cheque / Cash. | Scrap(2%) | 9889:00 |
| 5) Balance being unpaid value of work done held in reserve. | Deduction | 64348:00 |
| 6) Deduct cash advance made on the Office cash Book Voucher No…… dated……less adjustments. | bycheque | 1166374:00 |
| 7) Net amount due to or from Contractor unadjustments items. | | |
| 8) Advance to Contractor for materials brought to site (as detailed) within. | | |
| 9) Value of Government materials supplied. | | |
| Total amount adjusted - | | |

Contractor's Signature

Received Rs…….. (in words)……

……

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands)

For GANGA ENTERPRISES

Proprietor

(For use in the Office)

Witness

1.

2.

Stamp

Dated Signature of Contractor

Paid by me by Cheque No……Dated……

Cash Rs……..

Dated……Initials of Officer making payment

ಲೆಕ್ಕ ಶೀರ್ಷಿಕೆ P0300 Mandr to Stores

ರೂ. 1230722:00 ಬಾಬ್ತು ಮಾಡಿ ಸ್ವೀಕರಿಸಿದೆ

ರೂ. 1166374:00 ಕ್ಕೆ ಚೆಕ್ಕು/ಡಿಡಿ ಮೂಲಕ ಪಾವತಿಸಲಾಗಿದೆ

ರೂ. 64348:00 ಹೊಂದಾಣಿಕೆ ಮಾಡಿದೆ

**Executive Engineer**

ಲೆಕ್ಕ ಅಧಿಕಾರಿಯವರು ಕಾ.ಪಾ.ಇ.: ಯಲಹಂಕ ವಲಯ

| Sl. No. | Description of item | Unit |
|---|---|---|
| | **Name of Work :-**Annual Maintenance and repairs of street lights in ward no 06 Package Y -06 of Yelahanka Zone" | |
| 1 | Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 36/40 W fluorescent tube light street lighting systems. | Each |
| 2 | Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 125 W HPMV light Park lighting systems. | Each |
| 3 | Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 250W HPSV street light lighting systems. | Each |
| 4 | Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents 400 watts HPSV street light/High Mast lighting systems. | Each |
| 5 | Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 24 watt LED park lighting systems. | Each |
| 6 | Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 65 watt LED street light lighting systems. | Each |
| 7 | Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 90 watt LED street light lighting systems. | Each |
| 8 | Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 110/120 watt LED streetlight lighting system | Each |

| Previous Measurement | | Present Measurement | | | Total Upto Date | | Remarks |
|---|---|---|---|---|---|---|---|
| Qty. | Cost | Qty. | Rate Rs. P. | Amount | Qty | Cost | |
| | | 1 | Months | | Upto Date paid so for 21 Months | | |
| 79x20 Months | 53972.80 | 79.00 | 34.16 | 2698.64 | 79x21 Months | 56671.44 | |
| 45x20 Months | 48744.00 | 45.00 | 54.16 | 2437.20 | 45x21 Months | 51181.20 | |
| 4805x20 Months | 7784100.00 | 4805.00 | 81.00 | 389205.00 | 4805x21 Months | 8173305.00 | |
| 120x20 Months | 219984.00 | 120.00 | 91.66 | 10999.20 | 120x21 Months | 230983.20 | |
| 32x20 Months | 42662.40 | 32.00 | 66.66 | 2133.12 | 32x21 Months | 44795.52 | |
| 727x20 Months | 1332736.40 | 727.00 | 91.66 | 66636.82 | 727x21 Months | 1399373.22 | |
| 19x20 Months | 41165.40 | 19.00 | 108.33 | 2058.27 | 19x21 Months | 43223.67 | |
| 0 | 0.00 | 0.00 | 125.00 | 0.00 | 0 | 0.00 | |

| | | |
|---|---|---|
| 9 | Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 150 watt LED street light /High mast lighting system | Each |
| 10 | Painting of existing Street lighting pole after scraping the oid paint and painted with suitable colour enamel/silver paint including copingflooting of the polec) Up to 5 Mtrs Street light pole | Nos |
| 11 | Painting of existing Street lighting pole after scraping the oid paint and painted with suitable colour enamel/silver paint including copingflooting of the polec) 8 Mtr and above Street light pole | Nos |
| 12 | Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. ( Icu = Ics) 100Amps 25kA. | Each |
| 13 | Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop- Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/ Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets.260mmx210mmx116mm | Each |
| 14 | Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 16 sqmm | Mtr |
| 15 | Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.On wall /Structure 6 sqmm to 16 sqmm | Mtr |
| 16 | Supply and fixing of 4 pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.100 to 125Amps | Each |
| 17 | Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers. | Each |
| 18 | Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 50-63 Amps SP | Each |
| 19 | 1.1 kV, LT Aerial Bunched Cable, confirming to IS-14255: 1995 XLPE insulation Parameter shall be as below<br>1. Hot Set Test:<br>a) Elongation under Load: 50% (Max)<br>b) Permanent Elongation After Cooloing: 3% (Max)<br>2. Thermal Aging in oven:<br>a) Tensile Strength: 16 N/mm² (Min)<br>b) Elongation: 375% (Min)<br>3. Water Absorption Test<br>a) Water absorbed: 0.5 mg/cm² (Max)<br>4. Carbon Black Content shall be ranging from 2% to 3%<br>3x25 + 1x25 + 1x16 Sqmm Street light (Insulated Messenger cum Neutral) | KM |
| 20 | Stringing of 1.1 kV grade Aerial Bunched 3 Core cable of XLPE insulation of size (3x95) (Phase Conductor) + (1x70) (Insulated Messenger Neutral) + (1x25) (Street Light Control) | KM |
| | **TOTAL Rs** | |
| | Add GST 18 % = 12%+6% on item no 1-9 | 0.00 |
| | | |
| | Total Rs item no 10-20 | |
| | Add GST 18 % on item no 10-18 and 20 | |
| | TOTAL Rs | |
| | Fine imposed for non burning of street lights For the period of 1/12/2023 to 31/12/2023 | |
| | As per street light agreement clause 2% will be deducted in monthly maintenance bill against the released scrap material | |
| | **GRAND TOTAL** | |

Certificate

The above said monthly maintenance work has been carried out satisfactorily

Assistant Executive Engineer (Ele)
BBMP, Bangalore

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0.00 | 0.00 | 150.00 | 0.00 | 0 | 0.00 | |
| 45 | 18675.00 | 0.00 | 415.00 | 0.00 | 45 | 18675.00 | |
| 326 | 211900.00 | 0.00 | 650.00 | 0.00 | 326 | 211900.00 | |
| 30 | 115500.00 | 30.00 | 3850.00 | 115500.00 | 60 | 231000.00 | |
| 30 | 55500.00 | 30.00 | 1850.00 | 55500.00 | 60 | 111000.00 | |
| 218 | 30520.00 | 210.00 | 140.00 | 29400.00 | 428 | 59920.00 | |
| 218 | 4360.00 | 210.00 | 20.00 | 4200.00 | 428 | 8560.00 | |
| 13 | 80600.00 | 13.00 | 6200.00 | 80600.00 | 26 | 161200.00 | |
| 13 | 37167.00 | 13.00 | 2859.00 | 37167.00 | 26 | 74334.00 | |
| 15 | 9345.00 | 15.00 | 623 | 9345.00 | 30 | 18690.00 | |
| 2.51 | 313750.00 | 2.51 | 125000.00 | 313750.00 | 5.02 | 627500.00 | |
| 2.51 | 26355.00 | 2.51 | 10500.00 | 26355.00 | 5.02 | 52710.00 | |
| | **10427037.00** | | | **476168.25** | | **11575022.25** | |
| | 254719.53 | -12% | 57140.19 | 419028.06 | add 6% GST(18%-12%) | 273004.39 | |
| | | 18% | 75425.05 | **494453.11** | | | |
| | | | | 671817.00 | | | |
| 358067.00 | | | | 64452.06 | | **64452.06** | |
| | **10681756.53** | | | **1230722.17** | | **11912478.70** | |
| | 93300.00 | | | 4000.00 | | 97300.00 | |
| | 193392.88 | | | 9889.06 | | 203281.94 | |
| | **10395063.65** | | | **1216833.11** | | **11611896.76** | |